Derwent Record

Derwent Title: **Electronic protection circuit against electric shock - has transistor fed contactor coil switched by earth current level**

Assignee: **SATYANARYANA V S** Individual

Inventor: **None**

Accession/ Update: **1976-B0029X / 197605**

IPC Code: H02H 3/14 ;

Derwent Classes: **X13**;

Family:

PDF	Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
	FR2267646A *	1975-12-12	197605		French	H02H 3/14

INPADOC Legal Status: Show legal status actions

Priority Number:

Application Number	Filed	Original Title
US1973000325419	1973-01-22	SHOCK PREVENTION

Related Accessions:

Accession Number	Type	Derwent Update	Derwent Title
1975-B9327W	R	197507	Shock prevention device for disconnecting load from source - has energizing coil actuating power switch, controlled by leak-actuated transistor
1 item found			

Title Terms: ELECTRONIC PROTECT CIRCUIT ELECTRIC SHOCK TRANSISTOR FEED CONTACT COIL SWITCH EARTH CURRENT LEVEL

The Delphion Integrated View: INPADOC Record

Title: **FR2267646B3:**

Derwent Title: Electronic protection circuit against electric shock - has transistor fed contactor coil switched by earth current level [Derwent Record]

Country: **FR** France

Kind: **B3** Certificate of Utility (Second Publication) (See also: FR2267646A1)

High Resolution

Inventor: None

Assignee: **SATYANARYANA VARAHUR** India
News, Profiles, Stocks and More about this company

Published / Filed: **1977-02-11** / 1974-04-10

Application Number: **FR1974007412600**

IPC Code: **H02H 3/14;**

ECLA Code: None

Priority Number: 1974-04- **FR1974007412600**

INPADOC Legal Status: None **Get Now:** Family Legal Status Report

Family:

PDF	Publication	Pub. Date	Filed	Title
☑	**FR2267646B3**	1977-02-11	1974-04-10	
☑	FR2267646A1	1975-11-07	1974-04-10	
2 family members shown above				

Other Abstract Info: None

FR2267646

Patent number:	FR2267646
Publication date:	1975-11-07
Inventor:	
Applicant:	SATYANARYANA VARAHUR (IN)
Classification:	
- international:	H02H3/14
- european:	H02H3/14; H02H3/16F; H02H3/33
Application number:	FR19740012600 19740410
Priority number(s):	DE19742418073 19740413

Also published as:

DE2418073 (A

Abstract not available for

The Delphion Integrated View

Title: **US3864581: SHOCK PREVENTION DEVICE**

Derwent Title: Shock prevention device for disconnecting load from source - has energizing coil actuating power switch, controlled by leak-actuated transistor [Derwent Record]

Country: **US** United States of America

Inventor: **Satyanarayana, Varahur Srinivasa**; New Delhi, India

Assignee: None

Published / Filed: **1975-02-04** / 1973-01-22

Application Number: **US1973000325419**

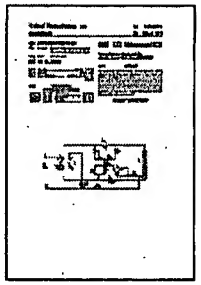
IPC Code: **H02H 3/16;**

U.S. Class: **Current: 307/326;** 361/042; 361/049; 361/098;
Original: 307/092; 317/018;

Field of Search: 317/18 A,18 C,18 D 307/092

Priority Number: 1973-01- **US1973000325419**

Abstract: A device for disconnecting a load from a power source upon a leakage occurring in said load and which comprises an energizing coil which actuates a first switch to connect the load to the power source and a transistor having a biasing means connected to said load and such that upon leakage in the load, the transistor is biased



High Resolution

Low Resolution

7 pages

and thereby deenergizes the coil and the first switch is opened.

Attorney, Agent or Firm: **Hammond & Littell** ;

Primary / Asst. Examiners: **Smith, Jr., David**;

Family: None

First Claim: Show all 10 claims

What is claimed is: 1. A device adapted to disconnect a load from a power source upon a leakage occurring in said load comprising an energizing coil adapted to be connected to a main source, a first switch capable of being closed upon the energization of said coil and thereby connecting a load to the power source, a transistor connected to the energizing coil and having a biasing means, said transistor and biasing means adapted to be connected to said load, such that upon a leakage occurring in the body of the load the transistor is biased and thereby deenergizes said coil and whereby said first switch is opened, and means for preventing a shock to a human body upon contacting a live conductor of the load and which comprises a current transformer connected to said first switch, the secondary of said transformer connected to said transistor through a second biasing means such that said transistor is capable of being biased by said first and/or second biasing means and whereby the coil is deenergized and the first said switch opened.

Background / Summary: Show background / summary

Drawing Descriptions: Show drawing descriptions

Description: Show description

Forward References: Show 11 U.S. patent(s) that reference this one

U.S. References: **Go to Result Set:** All U.S. references | Forward references (11) | Backward references (5) | Citation Link

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US3214638*	1965-10	Moser et al.		
	US3241638*	1965-10	Moser et al.		
	US3407337	1968-10	Benham		LEAK DETECTOR FOR SWIMMING POOL LIGHTS AND THE LIKE

	US3492533	1970-01	Thurston		GROUND FAULT DETECTION FOR POWER DISTRIBUTION
	US3728581	1973-04	Adamo		GROUND FAULT CIRCUIT INTERRUPTER
* some details unavailable					

Foreign References: None